N00296.000020
MOFFETT FIELD
SSIC NO. 5090.3

DEPARTMENT OF THE NAVY
NAVAL AIR STATION
MOFFETT FIELD, CALIFORNIA 94035

IN REPLY REFER TO:
11330
Ser 183/2867
SEP 14 1984

Mr. Martin Kurtovich
California Regional Water Quality Control Board
San Francisco Bay Region
111 Jackson Street
Oakland, California 94607

Dear Mr. Kurtovich:

In accordance with our letter of 27 July 1984, the lab report on the requested water samples, is forwarded as enclosure (1) for your information. The samples were analyzed using EPA method 601 as agreed upon.

Sincerely,

D. A. FEWELL
By direction

Encl:
(1) ACUREX Corporation ltr of 28 August 1984

Copy to:
Western Division, Naval Facilities Engineering Command
(Attn: M. Yao, Code 1142)

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NAVY/RWQCB 10

ACUREX Corporation

Energy & Environmental Division

Moffett Field Naval Air Station
Officer in Charge of Construction
Public Works Dept., Bldg. 566
Naval Air Station
Moffett Field, CA 94035

August 28, 1984
Acurex ID#: 8408-007
Client PO#: N00296-84RCDA023

Attention: Code 181C

Subject: Gas Chromatographic Analysis of Fourteen Water Samples for Purgeable Halocarbons, Received 8/3/84

Fourteen water samples were analyzed for purgeable halocarbons according to U.S. EPA Method 601 (Federal Register, Dec. 3, 1979; Page 69468). Results are presented in Table 1. The method can be summarized as follows:

> Helium is bubbled through a 5-mL water sample contained in a specially designed purging chamber at ambient temperature. The purgeable halogenated organic compounds are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is completed, the sorbent column is heated and back flushed with helium to desorb the purgeables onto a gas chromatographic column. The gas chromatograph is temperature programmed to separate the purgeables which are then detected with a Hall detector.

If you should have any questions, please do not hesitate to call.

Prepared by: Rick Wood
Rick Wood
Staff Chemist

Approved by: Viorica Lopez-Avila for
Viorica Lopez-Avila, Ph.D.
Technical Director

RW/VLA/ats

Table 1. Purgeable Halocarbon Results

Priority Pollutants	Moffett Field ID						
	MW3	MW4	MW6	MW7	MW8	MW9	MW10
	Concentration (µg/L)						
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethane	ND	22,000	ND	ND	ND	61	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	330	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	57	760	ND	23	ND	15	37
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	2,300	ND	ND	ND	ND	ND
Detection Limit	1	1	1	1	1	1	1

ND - Not Detected

Table 1. Purgeable Halocarbon Results
(Continued)

Priority Pollutants	Moffett Field ID						
	MW11	MW12 A & B	MW13	MW14	MW15	Pump House	Bldg 532
	Concentration (µg/L)						
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	23	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	16	ND	ND	30	17	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND
Detection Limit	1	1	1	1	1	1	1

ND - Not Detected